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Produktinformation



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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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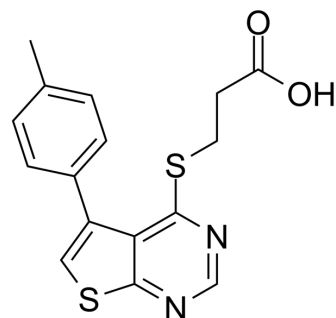
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TTP 22

Cat. No.:	HY-15479		
CAS No.:	329907-28-0		
Molecular Formula:	C ₁₆ H ₁₄ N ₂ O ₂ S ₂		
Molecular Weight:	330.42		
Target:	Casein Kinase		
Pathway:	Cell Cycle/DNA Damage; Stem Cell/Wnt		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	2 years
		-20°C	1 year



SOLVENT & SOLUBILITY

In Vitro

DMSO : ≥ 51 mg/mL (154.35 mM)
 * "≥" means soluble, but saturation unknown.

	Solvent Concentration	Mass	1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM		3.0265 mL	15.1323 mL	30.2645 mL
	5 mM		0.6053 mL	3.0265 mL	6.0529 mL
	10 mM		0.3026 mL	1.5132 mL	3.0265 mL

Please refer to the solubility information to select the appropriate solvent.

In Vivo

1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
 Solubility: ≥ 2.5 mg/mL (7.57 mM); Clear solution

BIOLOGICAL ACTIVITY

Description	TTP 22 is a potent CK2 inhibitor, with an IC ₅₀ of 100 nM and a K _i of 40 nM.
IC ₅₀ & Target	CK2 100 nM (IC ₅₀)
In Vitro	TTP 22 is a potent CK2 inhibitor, with an IC ₅₀ of 100 nM and a K _i of 40 nM. TTP 22 shows no effect on other kianses such as Jnk3, Rock1, Tie2, Ask1, Met and FGFR1 at 10 μM ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

CUSTOMER VALIDATION

- Patent. US20200368248A1.
- Patent. US20180263995A1.

See more customer validations on www.MedChemExpress.com

REFERENCES

[1]. Golub AG, et al. Synthesis and biological evaluation of substituted (thieno[2,3-d]pyrimidin-4-ylthio)carboxylic acids as inhibitors of human protein kinase CK2. Eur J Med Chem. 2011 Mar;46(3):870-6.

Caution: Product has not been fully validated for medical applications. For research use only.

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